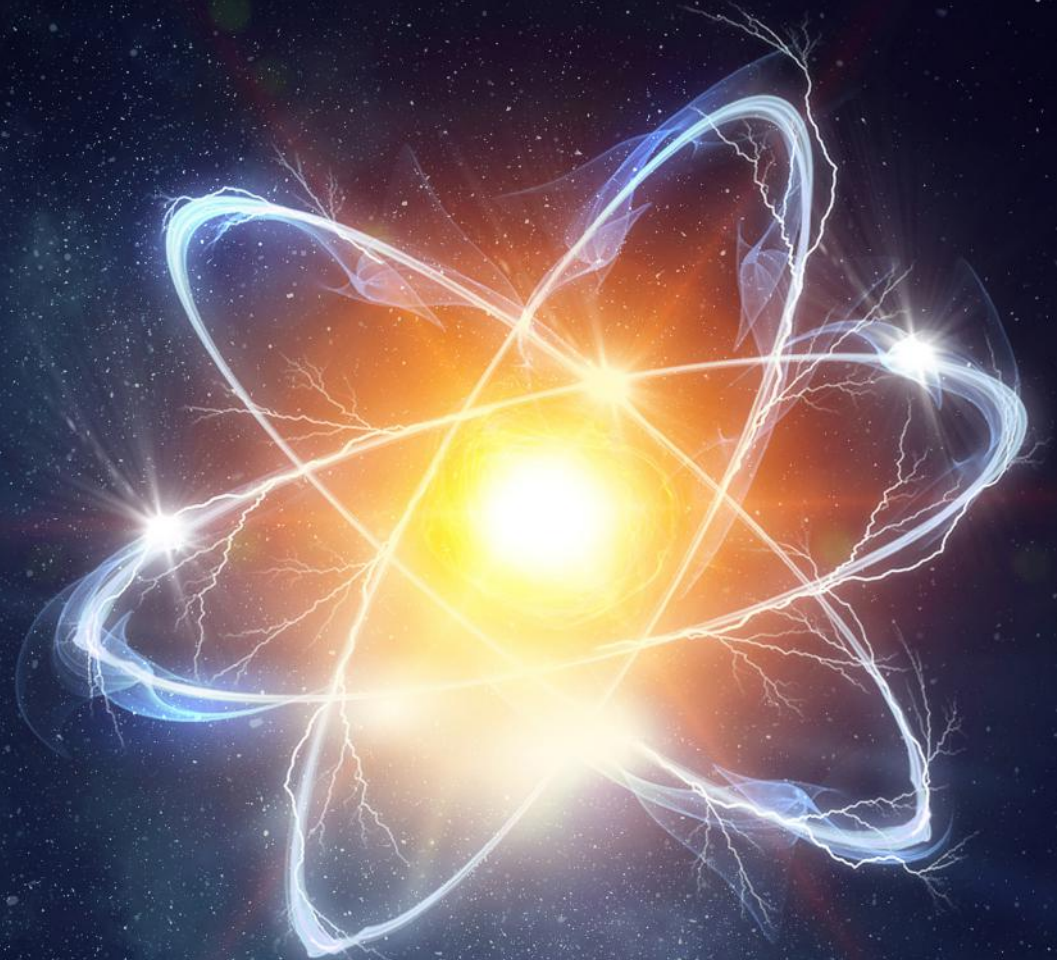
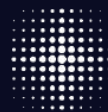


Radiation Monitoring Devices Product Brochure



ThermoFisher
SCIENTIFIC

 **JCS**
Nuclear Solutions

 **POLIMASTER**

 **PHDS**

 **ELJEN**
TECHNOLOGY

ChartHouse



 **HELGESON**
— SCIENTIFIC SERVICES —

TAL₂

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New Product Release

New Mini Handle

A Modern Replacement for the Mini 900 Monitors

With the discontinuation of the Mini 900 monitors, we are proud to introduce the new 'Mini Handle' - a purpose-built replacement that works seamlessly with the latest RadEye SX or GX models and your existing Mini Probes.



Special Note for GM Tube Users

- **RadEye GX:** Designed for Geiger probes.
- **RadEye SX:** Compatible with both scintillation probes (such as 44A and 44B) and Geiger probes.

Key Features

- **Ergonomic Design:** Comfortable handle for ease of use.
- **Probe Compatibility:** Works with RadEye SX or GX models.
- **Versatile Connection:** Includes a curly cable with MHV connectors on both ends.
- **Pre Calibration:** Supplied pre-calibrated for accurate and reliable performance.
- **Rechargeable Options:** Available with rechargeable batteries and charger for added convenience.

Compatibility and Operation

- **Seamless Transition:** The Mini Handle is designed to work with all existing Mini Probes, providing a smooth transition from the Mini 900 monitors.
- **Enhanced Detection:** Featuring the latest RadEye electronics for improved detection accuracy.
- **Quick Setup:** Ready to use in seconds with fast switch-on and warm-up time.
- **Flexible Use:** Probe easily detaches for two-handed operation in varied scenarios.

Cost-Effective Solution

- **Efficient Replacement:** A modern solution that replaces the Mini 900 monitors without the need for extensive modifications.
- **Flexible Compatibility:** Utilises existing probes, reducing the need for additional equipment.
- **Purchase Options:** Available as a complete assembly or as individual parts to meet specific needs.

Portable Radiation Detectors

ThermoFisher
SCIENTIFIC

RadEye GX

Compatible with nearly any GM probe and supports up to 16 selectable probe configurations. Compact and lightweight.



RadEye SX

Configurable to work with most popular scintillation and Geiger probes.



RadEye G10

Incorporates a different energy filter in order to achieve a Sievert response curve according to ambient dose rate $H^*(10)$.



RadEye AB-100

With dual large area scintillator probe for alpha, beta, gamma, also has inbuilt discriminator.



RadEye G-20 10 and G20-ER10

X-ray and Gamma Survey Meters ideal for ambient equivalent dose and dose rate measurement.



RadEye B20

Ideal for Nuclear Medicine Departments/Low energy detection. 17 KeV-3MeV. Gamma Filter for $H(10)$.



RadEye PRD4

Offers high-sensitivity survey monitoring across a wide energy range (20KeV to 1-3 MeV) with added neutron indication.



RadEye SPRD

Designed for detection and identification of Radionuclides.



Ancillary Devices for Radiation Mo

RadEye Area Monitor

RadEye Area Monitor, can incorporate several of the RadEyes, including the RadEye G-10. This gives both an audible and visual alarm. Once a dose or dose rate threshold, which is predefined by the user, is exceeded.



Probes

A Range of Probes including the DP6 R.B. Alpha / Beta Gamma – These large 100 cm², dual phosphor (ZnS / BC400) scintillation probes are popular for monitoring personnel, tools and work areas for alpha and beta with efficient discrimination.



Lutetium Test Adaptors

These are useful as check sources but fall outside the legal requirements for a radioactive source, hence they do not require any licenses. Due to the long half life they would never need replacing. There would also be no significant disposal cost. Available for all types of monitor including Gate Monitors.



FH40 Digital Survey Meters

Digital Survey Meters with wide range Geiger and option for external probes including Gamma, Beta and Teletector.



Poles and Cables

RadEye SX DP6 Survey Pole

The RadEye SX DP6 Survey Pole is designed for ease of use and extended reach in radiation monitoring. This versatile pole provides a secure connection for the RadEye SX DP6, enhancing survey efficiency in challenging environments.



PRD Monopole

The Thermo Scientific RadEye PRD can be mounted on our custom-designed extendable pole, offering greater flexibility for radiation detection in hard-to-reach areas. Developed by Phoenix Dosimetry, this lightweight yet durable solution ensures precise positioning for reliable readings.



Stand-Alone Poles

We also offer standalone poles that can be tailored to your specific needs, providing versatile options for various monitoring applications.



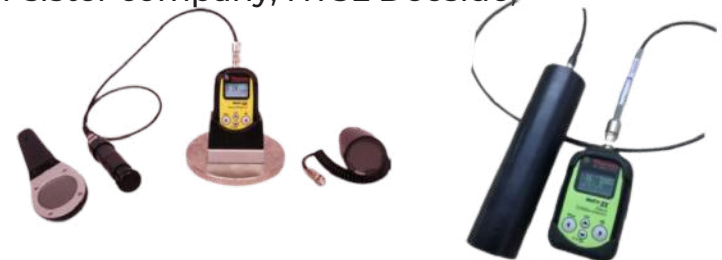
Custom Cables

In addition to our survey poles, we provide customised cables specifically designed for Mini Monitors and Scintillation Detectors. These cables come with robust protective sheaths, ensuring durability and reliability in demanding conditions.



Utilise your old Scintillator and Geiger Probes with the RadEye SX and GX

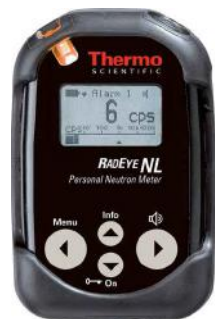
The RadEye SX and GX can be linked to more or less all existing Scintillation and Geiger detectors by means of a simple low cost cable. We offer complete setup and calibration services through our sister company, HTSL Deeside.



Portable Neutron Monitors

RadEye NL

- Ideal for search and finding Neutrons.
- For Industrial Sources, Medical Accelerators and Radiation Protection staff/inspectors or Nuclear facilities.
- Optional Moderator kit with handle.



Neutron/Gamma NG

- EPD TruDose NG Multi-Detector Technology.
- Measuring both Gamma and Neutron radiation.
- Improved dose rate range.
- Unprecedented sensitivity, as low as $0.0 \mu\text{Sv/hr}$, at lower dose rates provides assurance in the accuracy of exposure.
- Reduced overresponse for high neutron energies ($>10\text{MeV}$).



RadEye SPRD-GN

- Gamma Neutron Detector.
- Compact and rugged.
- $10 \text{ nSv/h} - 250 \text{ mSv/h}$.
- NBR - Natural Background Rejection.
- Includes software for configuring RadEye and Spectrum Download and Analysis.



FHT 762 WENDI-2

- Wide Energy Neutron Detection Instrument.
- Energy range 25 MeV to 5 GeV .
- Weight 13.5kg .
- Sensitivity 0.84cps/msv/h .
- CF252.



PackEye

- Radiation Detection Backpack.
- Gamma and Neutron.
- 30 hour battery life.
- Neutron $40\text{cps per n/s/cm}^2$.
- Weight 16.5kg .



HEC+ Alpha Beta Sample Counter

The HEC+ is designed for in-situ measurement of average beta energy and indication of tritium contamination. It offers simultaneous alpha/beta measurements in classic mode.

- Special EC-Mode for low-energy beta emitters (e.g., Ni-63) and electron capture nuclides (e.g., Fe-55, Mn-54, Cr-51).
- Cost-Effective: An alternative to liquid scintillation counters for Ni-63 and H-3 samples.
- 800 Hours Battery Operation for extended use.
- Customisable Library: Supports up to 16 nuclides with automated half-life correction.
- Simple Performance Verification using the 9g Lutetium Test Adapter.



JCS ED3 Real Time Extremity Dosemeter



Monitoring extremity radiation exposure is crucial when handling radiopharmaceuticals, as whole-body dose badges can underestimate actual extremity doses, especially in high-dose gradient environments. The ED3 Active Extremity Dosemeter is ideal for applications such as cardiology, oncology, X-ray, and glove box work.

The ED3 enables accurate monitoring of Hp(0.07) for betas and gammas on the extremities. Three interchangeable probes are available, each designed for different energy ranges. The D3 probe is specifically for Hp(3) eye dosimetry.

- Direct Measurement of Hp(0.07) for extremities.
- Real-time Readout for 1 or 2 detectors.
- Interchangeable Probes pre-calibrated and easily replaceable or decontaminated.
- Data Management: Use ED3 Manager software for analysis, storage, and archiving.
- Eye Dosimetry: Use for Hp(3) eye dosimetry with the addition of a 3mm filter and headband.

Applications:

- Interventional Radiology
- Radiation Therapy
- Nuclear Medicine
- Glove Box Work
- High-Dose Gradient Environments
- X-Ray



HP3 Eye Probe



HP3 Head Phantom also available

Polimaster PM1401K-3P Multipurpose Handheld



Polimaster PM1404K-3P Hand-Held Spectrum analyser / isotope identifier for the detection and localisation of radioactive materials for (gamma and Xray), alpha, beta and option for neutrons.

Key Features

- 2 detectors, Geiger and LiF/ZnS.
- Gamma radiation search energy range 0.033-3 MeV.
- Gamma search, spectrometry and activity channel.
- Spectrum storage capability.
- Small hand-held with optional holster.



Handheld Radiation Isotope Identification

ThermoFisher
SCIENTIFIC

The Thermo Scientific RIIDEye range of Handheld Radioisotope Identifiers have patented Quadratic Compression Conversion (QCC) technology; they are well suited to support users from a range of industries for contamination monitoring where isotope detection is required.

The RIID is extremely accurate and easy to use, whether you are evaluating water or soil samples or searching for materials which could be used for certain illicit purposes. It is often critical to know the exact isotope in order to assess the potential threats.



Key Features

- **High Sensitivity and Accuracy:** Equipped with advanced detection capabilities, the RIIDEye accurately identifies a wide range of isotopes, distinguishing between natural, medical, industrial, and special nuclear materials.
- **User-Friendly Interface:** It features a color touchscreen and an intuitive interface, making it easy to operate in the field, even with minimal training.
- **Compact and Portable Design:** The lightweight, ergonomic design allows for ease of use and portability, making it suitable for emergency response and inspection tasks.
- **Fast Identification and Real-Time Analysis:** The device quickly processes readings and provides isotope identification in real time, aiding in rapid decision-making.
- **Durable and Weather-Resistant:** Built to withstand challenging conditions, the RIIDEye is often weatherproof and impact-resistant, ideal for use in rugged or outdoor environments.
- **Data Storage and Transfer:** It typically includes options for storing data and transferring it to other devices for further analysis or record-keeping.

Portable Gamma Radiation Detector



GeGi

The world's most advanced HPGe Gamma Ray Imager.

Automatic isotope detection, identification localisation and source activity quantification makes GeGi accessible to users or all levels in a variety of activities.

- Ideal for decommissioning, survey work and security application.
- Automatic Isotope identification.
- Portable.
- Large clear display.
- 3 hour battery life.



Fulcrum

A high-precision radiation monitoring system for critical environments. Real-time detection, data integration, and customisable alerts ensure seamless safety and compliance across medical, nuclear and industrial applications.

- HPGe Isotope Identification.
- Compact Form Factor.
- SNM Identification.
- Fully Integrated turnkey HPGe.



*femto*Tech Environmental and Radiation Monitors



CRM-LPT Radon and Air Quality Monitor

An advanced radon and air quality monitor with industry-leading ~130 CPM @ 200 Bq/m³ sensitivity. The CRM-LPT uses low-power pulsed ion chamber technology with passive air diffusion, featuring calibrated CO, CO₂, and VOC sensors.

Key Features

- Compact, durable, and highly sensitive.
- Touch screen, anti-tamper detection, and customisable settings.
- Real-time radon readings with extensive data storage.
- Long battery life, USB & Bluetooth support, and free multi-platform software.



Tritium Monitoring

A precision-engineered tritium monitor built to deliver unmatched reliability and accuracy in a robust, efficient design.

Key Features

- Operates on 24VDC for optimal performance and energy savings.
- Achieves >10% linear accuracy without correction for consistent, reliable data.
- Spans seven decades with seamless range adaptation.
- Polished 304 stainless steel construction ensures durability in diverse conditions.
- Allows control up to 1000 feet (305 meters) from the monitoring chamber.
- Protects components for long-lasting reliability.
- Optional feature enhances tritium measurement accuracy.



TruDose EPD

- Beta / Gamma and Gamma versions available.
- HP-10 and HP-0.07 Dose / Doserate.
- IR Link to Radsight Software.
- BT Option Available.
- Fully customisable utilising easy EPD Software.
- Alarm display via LED Sounder 90db and Vibrate.
- Attachment via clip or lanyard.

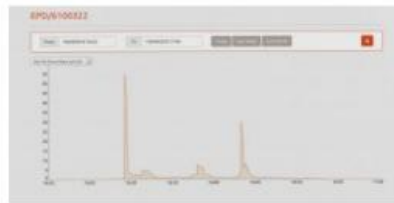


Polimaster Radflash EPD

- Compact unit with Dose and Doserate alarms.
- Integrated BT with free app to allow customisation and resetting of device.
- Real time display with Charthouse RadSight Live Medical Terminal System.
- Dose and Doserate HP-10.
- Wireless charging.
- BT Dock integration to Radsight software for Issue / Return and data storage with dose profile information.



RadSight Software for TruDose and EPD-Mk2



- Integrates simultaneously with TruDose and EPD-MK2 also to Radflash via BT Dock.
- Includes personnel database for dose records.
- Issue and de-issue EPD with IR Reader or by manual assignment. Compatible with older EPDs together with new Thermo TruDose IR readers.
- Simple issue with drop down selection of users and activities - switches on EPD, zeros dose and assigns to wearer in one step.
- Easy and fast single step return - reads dose and switches dosimeter off.
- Dose reports and database export functionality.

RadSight Live Medical Terminal System

This system is reliable and cost-effective dose monitoring solution for medical professionals providing real-time dose feedback whilst they work.

The unit is used in combination with the Polimaster Radflash EPD's: these come as standard BT enabled. This combination of the EPD's and terminal empowers workers to remain safe, so they can focus on providing their patients with the best possible care.

We have combined a powerful medical grade touchscreen panel PC with integrated Bluetooth, to create an all-in-one real time monitoring solution - the colour coded EPDs can be reset and given to the next person or issued directly as required.

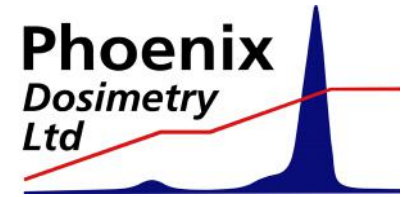
Note: There is an option for the basic RadSight software which does not include the Realtime display.

The screen shows both cumulative dose and dose-rate together with an alarm function which warns if users preset dose limits are being exceeded.

An HDMI output is also available on this unit enabling a large display monitor to be linked up if required.

Key Features

- **Durable Construction:** 10-Point touch screen with 6H scratch resistant surface. Supports control with multiple layers of surgical gloves. Optical bonding dramatically reduces internal reflections, helping improve the brightness and contrast ratio, enhance system ruggedness, and strengthen shock and vibration resistance.
- **Expanded Operating Range:** Housed in a sturdy PC/ABS plastic enclosure, this RadSight Medical offers enhanced durability and protection against tough environments, guaranteeing long-term reliability and performance.
- **Improved Performance:** Powered by the Intel® Celeron® processor and equipped with 4GB of RAM, the RadSight Medical Terminal ensures seamless multitasking, further enhancing performance productivity.
- **Modern Design:** Embracing a modern design, the new terminal has side mounted light bars, medical housing, excellent overall durability for tough applications, ample storage capacity and reliable performance.



Harshaw TLD Readers, Materials and

We offer the full range of Harshaw TLD Readers and Materials together with accessories.

The range of Readers are ideal for various applications of Radiation Dose Monitoring including:

- Personal Dose Monitoring (whole body and extremity)
- Diagnostic Surveys
- Patient Dosimetry
- Environmental Monitoring
- High Dose / Accident Dosimetry
- Food Irradiation Monitoring



Model 6600: TLD Reader for the automated processing of up to 200 chips / pellets



Model 8800: TLD Reader for high-capacity automated processing of up to 1,400 Cards and Extremity Dosimeters

and Accessories

Readers	
Model 3500	For manual processing of loose chips, pellets and powder
Model 5500	For automated processing of up to 50 loose chips, pellets and microrods / cubes
Model 6600	For automated processing of Cards and Extremity Dosemeters (200 / loading)
Model 8800	For high capacity automated processing of Cards and Extremity Dosemeters (1,400 / loading)
TLD Irradiators	We offer optional Irradiator, integrated into the M-6600 and M-8800 Readers
Upgrades	Options for upgrading TLD readers to enhance their capabilities and adapt to evolving operational requirements - For more information on mid life upgrades, together with WinRems windows versions contact us today.

We supply a complete range of TLD materials, including:

- Powder
- Loose Chips
- TLD Cards
- DXT-Rad Extremity



TLD Cards with High Sensitivity



Cu, Mg, LiF with choice of holders



Extremity Ring DXT-RAD



Extremity Finger Tip EXT-RAD

We also provide a full selection of accessories, such as:

- TLD Card Storage Systems



- TLD-3 Annealing Oven



Body Radiation Detectors



Hand and Foot Monitor

The HS-BEX Beta/Gamma and HS-BEXA Alpha/Beta systems offer automatic radiation detection and measurement, ensuring the safety of personnel in potentially hazardous environments.

- Thin plastic scintillators detect beta and gamma radiation.
- Achieves 4π efficiency for optimal detection.
- Ultra-sensitive: Minimal Detectable Activity (MDA) for beta < 0.4 Bq/cm².
- Environmental monitoring with temperature and humidity sensors.
- High-performance: Handles up to 200,000 cps count rates.
- Remote operation via TCP/IP with optional ADR interconnection module.
- Fully customisable detector options:
- Choose from 3-7 separate detectors, with various types and sizes to tailor the unit to your exact requirements.



Frisker

Designed to detect and measure Alpha/Beta/Gamma radiation for personnel and patients. It offers a cost-effective, simple, and accurate solution for monitoring in radiation-sensitive facilities.

- Comprehensive Detection: 225 cm² detector for efficient radiation monitoring.
- Customisable Configuration: Adaptable for alpha-beta or beta-gamma radiations to meet specific measurement needs.
- High Sensitivity: Minimal Detectable Activity (MDA) of < 0.4 Bq/cm².
- Advanced Technology: Each detector includes its own high-voltage source and preamplifier.
- User-Friendly Interface: Wall-mounted visual touchscreen display with fully customisable software.
- Clear Visual Indicators: Easy-to-see alarms and status indicators.
- Configurable Alarms: 100% customisable alarm levels for enhanced safety.
- Ease of Use: Designed for simple operation and quick deployment.



Whole Body ^{TAL} Phantoms

The Universal Whole Body Phantom (UWBP) is designed for calibrating whole body counters (WBC) and measuring radionuclide activity in the human body. Using scintillation and semiconductor detectors for gamma radiation (50 to 3000 keV), it replicates biological tissue interactions. Ideal for radiation monitoring in medical centers, nuclear facilities, and research institutions, the collapsible phantom set includes:

- Polyethylene blocks: 90 full, 40 half
- Rod radionuclide sources: 180 nominal, 40 half
- Connectors (280), Fixings (10), Tripod (stand), Mounting blade, Pusher
- Six assembly options accommodate different ages and body types.



MyOSLchip ^{RadPro} Dosimeter/Reader

Small QR coded dosimeters. Equipped with a touch display which allows fast measurements (just a few seconds) with or without PC connection. The dosimeters can be used for a wide range of medical dosimetry applications including patient dosimetry, QC of dosimetry, device checking from very low to very high doses including blood irradiators.



Gate & Portal Monitors

The Thermo range of ASMIV and FHT-1388 Installed Gate and Portal Monitors provides robust detection against rogue radioactive sources entering or exiting your site. These monitors feature large-area plastic scintillation detectors and advanced algorithms, ensuring high sensitivity with minimal false alarms. The FHT-1388 also includes NBR (Natural Background Rejection) to enhance accuracy.

Various detector configurations are available, including the optional FHT-1388S/SGS-2 Neutron Module, which can be integrated into existing systems to support neutron detection, providing comprehensive site protection.



ASM 6000 Gate Monitor



FHT 1388 Gate Monitor



Horizontal Mounting



Vertical Mounting



ASM Controller



FHT Controller

RadEye GR Grapple Monitoring System

In addition to our installed monitoring options, the RadEye GR is designed to withstand extreme conditions within a grapple, maintaining close contact with potential radioactive sources for extended periods to offer a higher detection rate. By identifying radiation threats directly at the source, it complements traditional portal monitoring systems, enhancing safety and regulatory compliance.



The PoliGate™ Light series of Radiation Portal Monitors (RPMs) is a highly sensitive, fixed monitoring system designed for secure, continuous radiation detection in various applications. Suitable for waste management sites, airports, seaports, and more, PoliGate™ Light provides adaptable configurations in either one- or two-pillar setups and supports customised dimensions to meet site-specific needs. This compact, user-friendly RPM does not require neutron detection and comes equipped with easy-to-use software for real-time data and alarms, with features like gamma energy detection, natural background rejection, and presence sensors.



The PM5000C-05M is a versatile mobile radiation detection system for monitoring vehicles, luggage, and pedestrians to prevent illicit trafficking of radioactive materials. The portable system includes three compact, lightweight, hermetically sealed cases, enabling rapid deployment and operation in challenging environments.



The PM5000P Series offers gamma and neutron radiation monitoring for various checkpoints, including vehicle and luggage screening points. Configurable with single- or dual-post setups, these monitors can be installed indoors or outdoors based on site requirements. Suitable for use at border crossings, customs points, nuclear facilities, and high-security locations, the PM5000P is a flexible solution for comprehensive radiation monitoring.



Conveyor Monitor

Single Post

Other Ancilliary equipment:



RIIDEye XG / PM1401K RIID



RadEye SPRD for
detection/identification of
Radionuclides



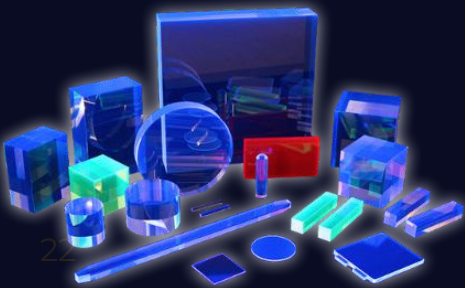
Lutetium Test Adaptor

Organic Scintillators

Eljen Technology offers a wide range of scintillation products designed for various applications, particularly in radiation detection. Their offerings include both plastic and liquid scintillators, each with specific properties suited to different needs. These products are recognized for their high performance, reliability, and versatility in radiation safety, making them ideal for a wide range of scientific, industrial, and safety applications.

Plastic Scintillators

Eljen's plastic scintillators, including the EJ-200, EJ-204, and EJ-208, are designed for detecting beta, gamma, and neutron radiation, offering high light output, fast response times, and durability, with a wide range of sizes and geometries available, all machined to customer specifications.



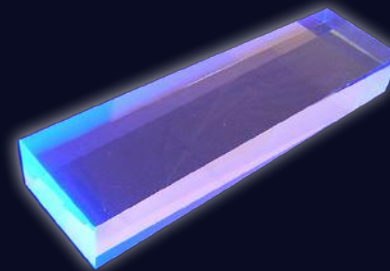
Liquid Scintillators

Eljen's liquid scintillators, such as the EJ-331, known for its high light output and stability for gamma ray detection, and the EJ-335, a mineral oil-based version with a higher flash point for large detectors, are available in bottles or sealed in aluminium or glass cells, making them ideal for large-volume detectors.



Non-fogging plastic scintillators

The EJ-200NF and EJ-208NF, are designed for outdoor detector systems, offering enhanced resistance to temperature fluctuations and moisture absorption, preventing fogging and maintaining optimal performance in challenging conditions.



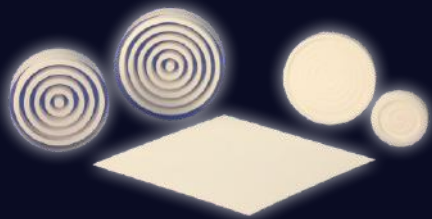
Light Guides and Acrylic Plastic

Used to efficiently collect and transfer light from scintillators to photodetectors in radiation detection systems. With excellent optical properties, such as low absorption and high light transmission, they ensure uniform light collection for optimal performance.



Neutron Detectors

Eljen's specialised neutron detectors, including the EJ-410 and EJ-420, are optimised for detecting fast and thermal neutrons in various environments such as medical, industrial, and security applications.



Wavelength Shifters

Available as sheet material or paint for thin films, improve scintillation detector performance by converting higher energy photons to lower energy ones, enhancing light collection efficiency and enabling better matching with photodetectors.



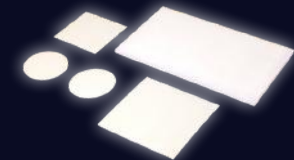
Pulse-Shape Discrimination (PSD)

Products like the EJ-325A are designed specifically for separating fast neutrons and gammas using pulse-shape discrimination technology. This is essential for environments where precise radiation detection and signal differentiation are critical



Zinc Sulphide Coated

These sheets, made from Zinc Sulphide doped with silver, offer high sensitivity and are available in various sizes and geometries. They provide excellent light output for precise radiation measurements. Customisable to meet specific detection needs.



Accessories

Various solutions for detector assembly and photosensor coupling:, coupling materials, and specialised gels, which can be customised for different radiation detection applications.



Equipment Servicing and Maintenance

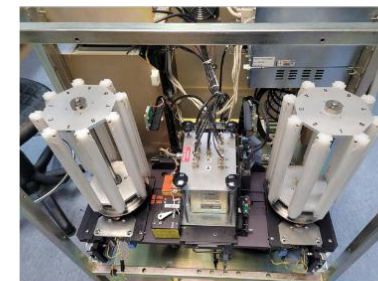
Our team of experienced engineers and technicians are committed to supporting the accuracy, reliability, and longevity of your radiation monitoring systems, offering both on-site service and support in our fully equipped facilities. With a focus on optimal performance, we provide comprehensive service solutions tailored to maintain reliability, precision, and compliance with industry standards, ensuring your equipment consistently operates at its best.

Expert Service for TLD Readers

Our specialised servicing for TLD (Thermoluminescent Dosimeter) readers provides precise calibration and thorough maintenance to support accurate dosimetry.

Regular servicing keeps your TLD readers operating at peak performance, helping to ensure consistent results and regulatory compliance.

- Full Calibration and Testing: Ensures accurate dose readings.
- Component Inspection and Replacement: For reliable performance and longevity.
- Optimised for Accuracy: Fine-tuning for maximum reading precision.
- Quick Response to Breakdowns: With a comprehensive inventory of parts, we can respond rapidly to emergency breakdowns, minimising downtime.
- Reader Upgrades: Options to upgrade TLD readers, enhancing capabilities to meet evolving operational needs.



Servicing for a Wide Range of Equipment

Our experienced team is equipped to service and maintain a variety of radiation monitoring devices, both in our excellent UKAS accredited service facilities and at your site. Our field-based engineers and technicians are available to service, repair, and help maintain your equipment to factory specifications, providing support wherever you need it.

- UKAS Accredited Test Before First Use Calibration.
- On-site Installation and User Training.
- Thorough Repair Services: Specialised repairs for Mini Instruments and all Thermo and Helgeson Equipment, ensuring long-term reliability.
- Thorough Inspections and Parts Replacement: Detailed checks with high-quality replacement parts to keep your equipment operating at factory specifications.
- On-Site Service Availability: Our field-based engineers and technicians can perform repairs and maintenance at your location, minimising equipment downtime.
- Comprehensive Parts Inventory: We stock a wide range of parts for most systems, allowing us to respond quickly to emergency breakdowns and other urgent repairs.



Service Maintenance Contracts

Our Service Maintenance Contracts offer cost-effective, customised service options to meet your specific operational needs, reducing the risk of equipment failure and supporting continuous performance.

- Comprehensive Annual Maintenance and Calibration Service Packages to keep your equipment operating at its best.
- Scheduled Preventative Maintenance: Regularly planned service to prevent unexpected issues.
- Priority Support and Fast Response: Higher-level contracts offer faster response times and priority support to keep your operations running smoothly.
- Breakdown and Parts Coverage: Depending on your contract level, benefits may include breakdown coverage and parts replacement for added peace of mind and reduced downtime.
- With options to suit a variety of needs, our contracts provide the right balance of support to keep your equipment in top condition.

HTSL Calibration Services



UKAS Accredited Calibration Services

At HTSL, we are committed to delivering exceptional calibration and testing services.

We maintain accreditation to ISO 17025:2017 standards to ensure the highest quality. Regular calibration at our HTSL Calibration Laboratory preserves the precision and longevity of your instruments.

Our goal is to ensure our customers have full confidence in their radiological instruments.

Using HTSL's accredited services guarantees the integrity and traceability of your measurements.



Calibration Services Overview:

- Personal Electronic Dosimetry
Our bespoke Calibration Rig allows simultaneous calibration of up to 72 instruments.
- Dose Rate Meters: Tailored calibration testing using our Gamma Exposure & Energy Response Cell with precise dose rates.
- Source Calibrations: Alpha/Beta surface emission rate testing using gas proportional counter in accordance with BS ISO 8769.
- Contamination Instrument Calibration: Surface contamination response testing, utilising wide area sources for accurate results.
- Tritium Monitor Calibration: Calibration using ^{137}Cs gamma radiation with additional gas measurements available.
- Air sampler & Monitor Calibration: Flow rate calibration from 01-600 LPM.
- Technical Consultancy: Radiological evaluation and type testing services performed by our Qualified Physicists..
- Expert Team: Specialising in Radiation Protection Instrumentation servicing.
- Accredited Calibrations: Conducted in accordance with relevant GPG guidance, using equipment traceable to national standards.
- Rapid Turnarounds: Minimising downtime.
- Comprehensive Range: Consumables for portable and installed instruments.
- Instrument Repairs: Access to other HTSL services.
- Live Status Portal: View the live status of all your instruments.
- Loan Units and Swap Outs: Available to ensure continuous operation.



29561
Accredited to ISO/
IEC 17025:2017

Mobile Calibration Services



On-Site Calibration - Efficient, Reliable and Convenient

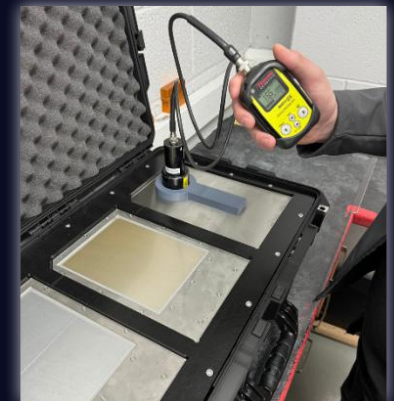
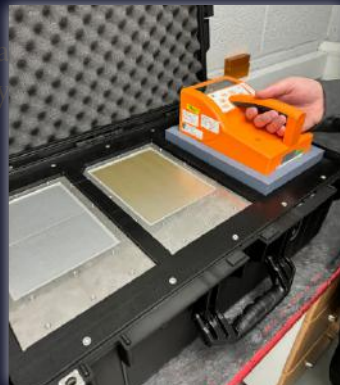
At HTSL, we're committed to meeting your needs with flexible, innovative calibration solutions. Our new mobile Radiation Protection Instrument calibration service brings trusted calibration directly to your location, reducing downtime and avoiding the risks of equipment transit.



Why Choose HTSL's Mobile Calibration ?

- Immediate Results and Certification: Same-day calibration and certification on-site.
- Minimised Downtime: Convenient, on-site service keeps your equipment operational and avoids shipping delays.
- Comprehensive Calibration: We offer fully traceable calibration for:
 - Beta Contamination Monitors
 - Photon Contamination Monitors
 - Dose Rate Monitors
- Custom Solutions: Using custom calibration jigs, we provide accurate, efficient calibrations for dose rate monitors on-site, without needing specialist facilities.

At HTSL, we're committed to meeting your needs with flexible, innovative calibration solutions. Our new mobile Radiation Protection Instrument calibration service brings trusted calibration directly to your location, reducing downtime and avoiding the risks of equipment transit.



Reference Sources

Radioactive Test Sources for All Our Radiation Monitoring Products

We provide radioactive test sources for all the radiation monitoring products featured in this brochure. These sources are essential for the calibration, verification, and optimal performance of your equipment, ensuring compliance with industry standards and reliable safety measures. Our team can recommend the most suitable test source for each device, tailored to your specific needs.

For more information or assistance, please contact us at:

sales@htsl.co.uk

DP6/BP19 Jig

We offer custom-designed test jigs for BP19 and DP6 radiation probes. This is a reliable reference source jig for testing the response of these contamination probes. It is available with a wide range of radionuclides and activities, including Cl-36, Sr-90, Co-60, C-14 and Am-241. This tool ensures accurate and efficient calibration, ensuring your equipment delivers reliable results.



Planchet for RadEye B20 and EP15 Monitors

Providing a reliable and efficient solution for performance testing.

- The planchet is available for a wide range of radionuclides and activities, and may be used to test the monitors response to the typical beta energies found in your workplace.
- Offers a stable and consistent reference for accurate calibration of RadEye B20 and EP15 monitors.
- Simplifies the process for regular functionality checks, helping to maintain peak performance.
- Ensuring your radiation monitoring equipment remains compliant with industry standards.
- The active diameter of the source is variable, depending on your applications.



Transport and Logistics

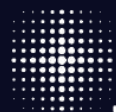


HTSL Group provides comprehensive Class 7 Radioactive material logistics, covering importation, clearance, secure storage, collection, delivery, and worldwide exportation. We operate two UK-based, fully permitted facilities—in Oxfordshire with close access to Heathrow and London Stansted airports, and in Deeside, North Wales—designed to store a broad range of radioactive materials. Our team is IATA-trained, with our southern facility accredited as a known consignor by the CAA Aviation Security Compliance team. Our ADR-certified drivers receive advanced training, participating in regular emergency exercises, often in collaboration with our clients, to ensure safe and compliant transport at every stage.

- **Secure and Compliant Transport:** Ensures safe transport of radioactive materials, from isotopes for imaging to treatment sources, adhering to strict compliance standards.
- **Safe Storage Solutions:** Offers secure, fully permitted storage facilities for holding radioactive materials until they are needed, ideal for managing fluctuating demand in medical settings.
- **Efficient Import and Export:** Facilitates smooth import and export of radioactive materials, ensuring timely availability for critical procedures.
- **Certified Expertise:** Our trained, ADR Drivers and IATA-certified team ensures that all materials are handled professionally and in compliance with safety regulations.
- **Customisable Logistics:** Tailored solutions for delivery schedules and specific requirements, aligned with the sensitive timing often needed in medical applications.



ThermoFisher
SCIENTIFIC

 **JCS**
Nuclear Solutions

 **POLIMASTER**

 **ELJEN**
TECHNOLOGY

 **HELGESON**
— SCIENTIFIC SERVICES —

 **PHDS**

ChartHouse



TALs



Part of the HTSL Group



Phoenix Dosimetry: Your Trusted Partner in Radiation Detection

Phoenix Dosimetry specialises in delivering the highest standard of radiation detection and monitoring solutions.

As the UK's leading provider of radiation monitoring instruments, we ensure that safety, precision, and reliability are at the forefront of everything we do.

Calibration Expertise: Our UKAS-accredited calibration lab offers precise, dependable service, ensuring your radiation monitoring equipment meets the highest standards of accuracy and compliance.

Discover how Phoenix Dosimetry can enhance your radiological safety.

Contact us today to learn more about our products and services.

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Service Contact:

Calibration Contact:

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